LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.366	3	8	24	rVB	1267750	1220410	100.00%	16.937%
2	1.498	42	49	54	rBV	50367	48526	3.98%	0.673%
3	1.597	70	80	95	rBV3	461410	709352	58.12%	9.845%
4	1.668	96	102	108	rVB	15458	16773	1.37%	0.233%
5	1.739	117	124	136	rVB	44661	52837	4.33%	0.733%
6	1.919	171	180	195	rVB2	79400	120177	9.85%	1.668%
7	2.006	198	207	218	rVV	40606	55827	4.57%	0.775%
8	2.166	247	257	265	rBV	124385	171093	14.02%	2.374%
9	2.218	265	273	295	rVB3	62175	121944	9.99%	1.692%
10	2.330	300	308	321	rVB2	11041	16262	1.33%	0.226%
11	2.427	327	338	346	rBV2	23373	37222	3.05%	0.517%
12	2.472	346	352	367	rVB4	7550	14386	1.18%	0.200%
13	2.581	374	386	400	rBV	117298	193653	15.87%	2.688%
14	2.993	503	514	538	rVB8	13697	40784	3.34%	0.566%
15	3.378	623	634	651	rVB2	7912	16802	1.38%	0.233%
16	3.607	689	705	721	rVB2	29491	69406	5.69%	0.963%
17	3.716	727	739	754	rVB3	10869	24644	2.02%	0.342%
18	4.214	876	894	909	rBV6	5509	13830	1.13%	0.192%
19	4.655	1014	1031	1071	rBV2	79000	277264	22.72%	3.848%
20	5.083	1148	1164	1183	rBV2	98160	226576	18.57%	3.144%
21	5.742	1347	1369	1390	rBV2	196559	520543	42.65%	7.224%
22	6.038	1451	1461	1474	rVB5	9950	20188	1.65%	0.280%
23	6.147	1485	1495	1517	rBV6	5423	14221	1.17%	0.197%
24	6.263	1517	1531	1557	rBV	186318	352490	28.88%	4.892%
25	6.703	1653	1668	1686	rBV	125111	245729	20.13%	3.410%
26	7.574	1926	1939	1952	rBV	61036	109296	8.96%	1.517%
27	7.906	2025	2042	2057	rBV	222656	379364	31.08%	5.265%
28	8.185	2117	2129	2148	rVB2	40131	75436	6.18%	1.047%
29	8.642	2255	2271	2303	rBV	355407	683435	56.00%	9.485%
30	9.420	2500	2513	2533	rBV	274688	449444	36.83%	6.237%
31	10.754	2917	2928	2950	rBB	101625	166683	13.66%	2.313%
32	11.809	3241	3256	3272	rBV	243565	385126	31.56%	5.345%
33	12.188	3358	3374	3388	rBV	217612	355839	29.16%	4.938%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Title : TRACE VOA SOM01.0

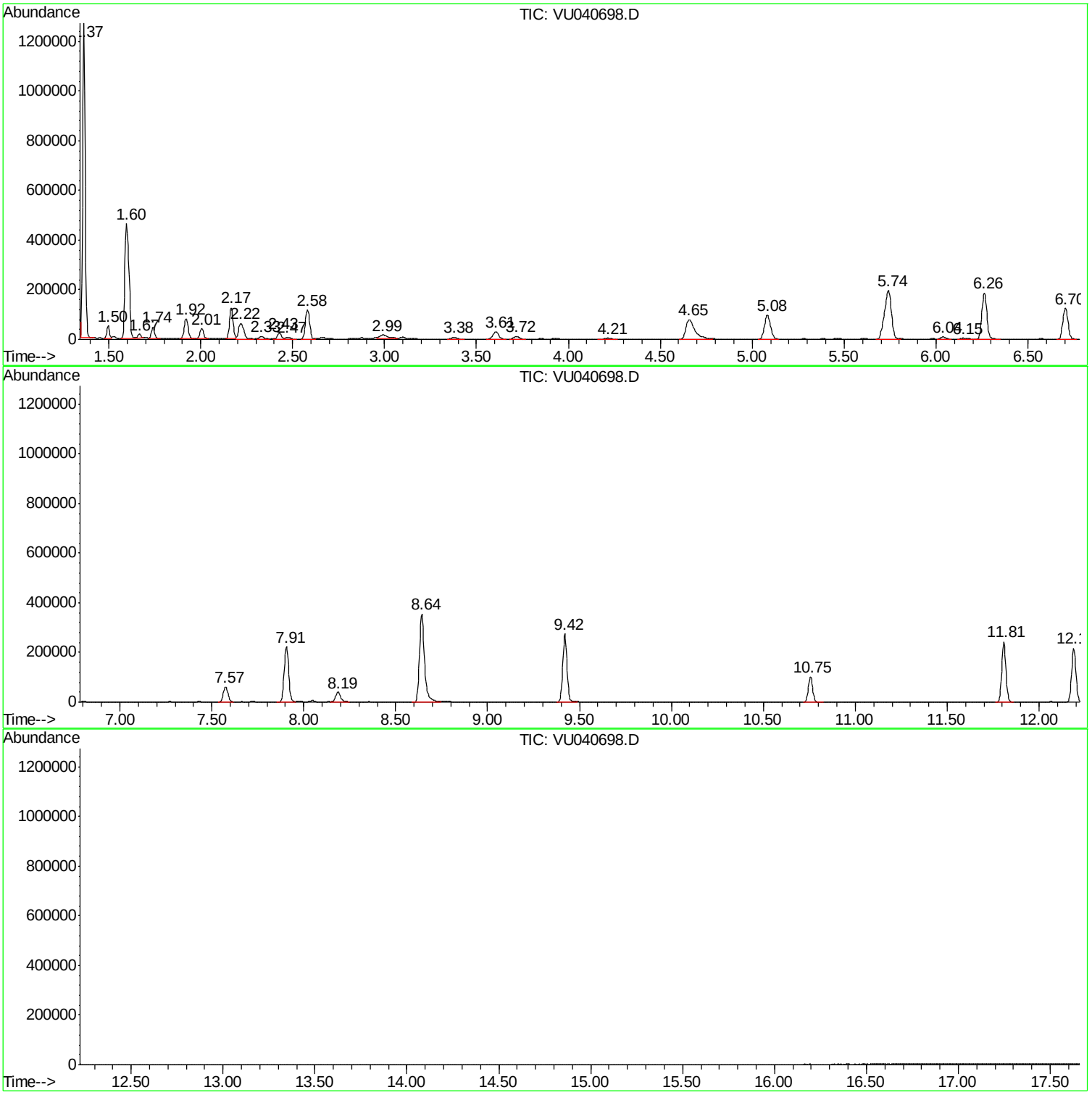
Sum of corrected areas: 7205562

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

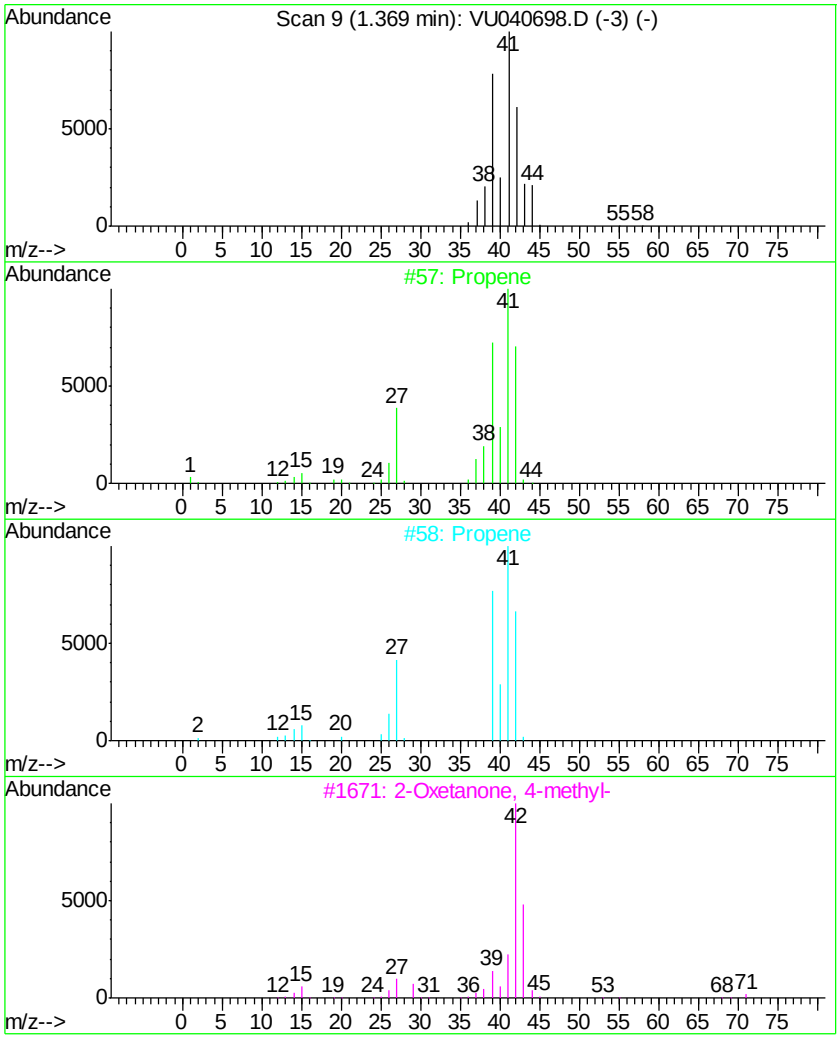
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

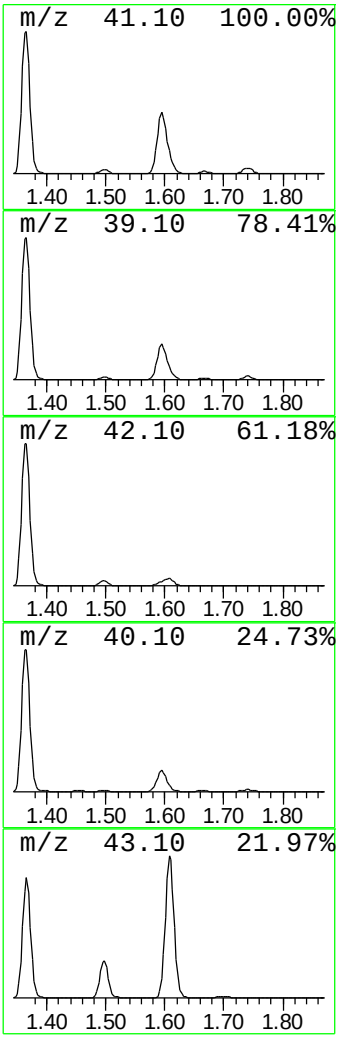
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	17.31 ug/L	1220410	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropene	40	C3H4	002781-85-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

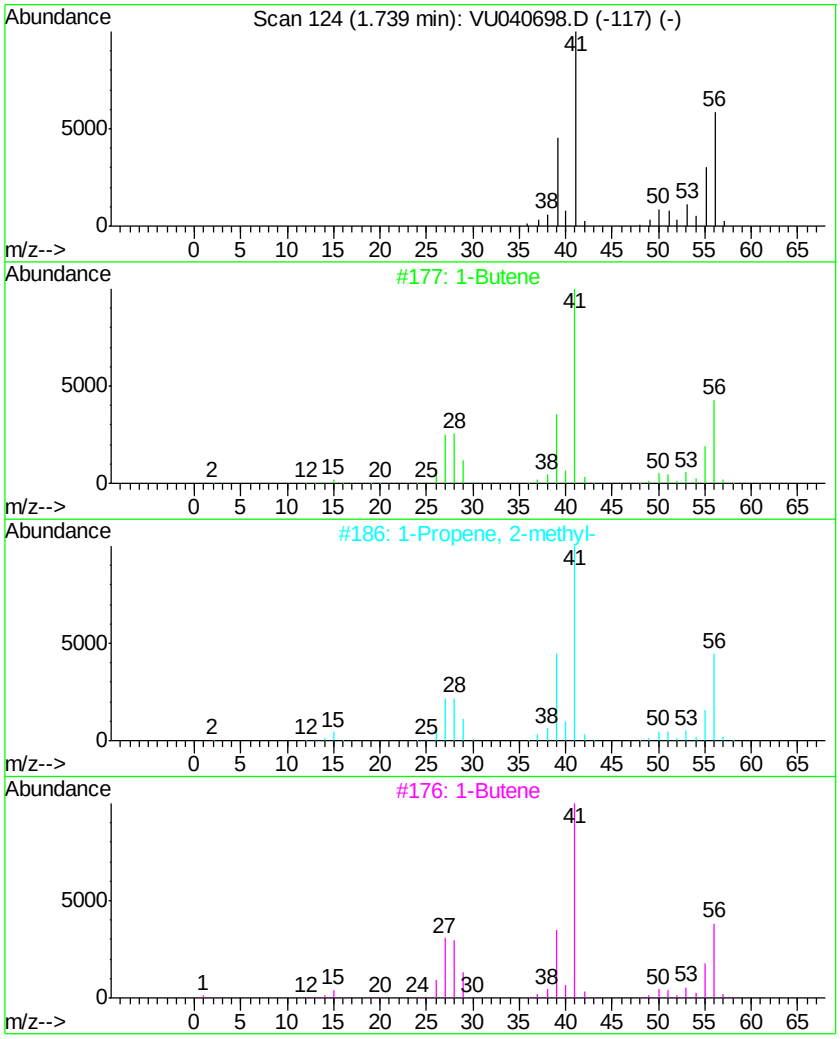
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

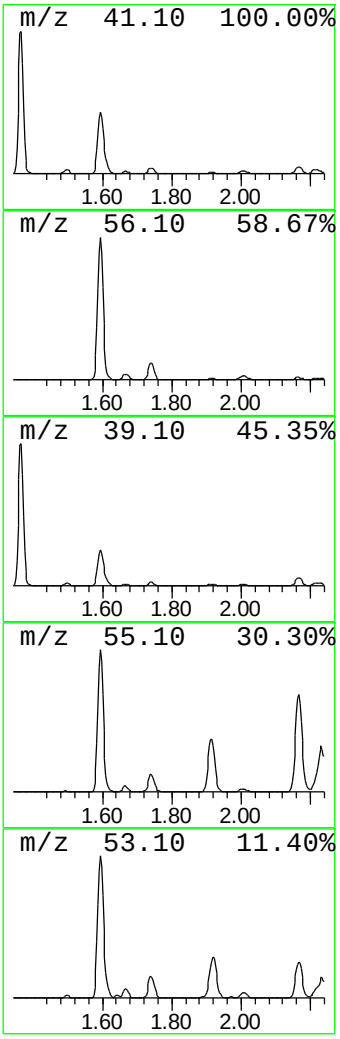
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.74	0.75 ug/L	52837	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	86
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	86
3	1-Butene	56	C4H8	000106-98-9	86
4	2-Butene, (Z)-	56	C4H8	000590-18-1	86
5	2-Butene, (Z)-	56	C4H8	000590-18-1	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

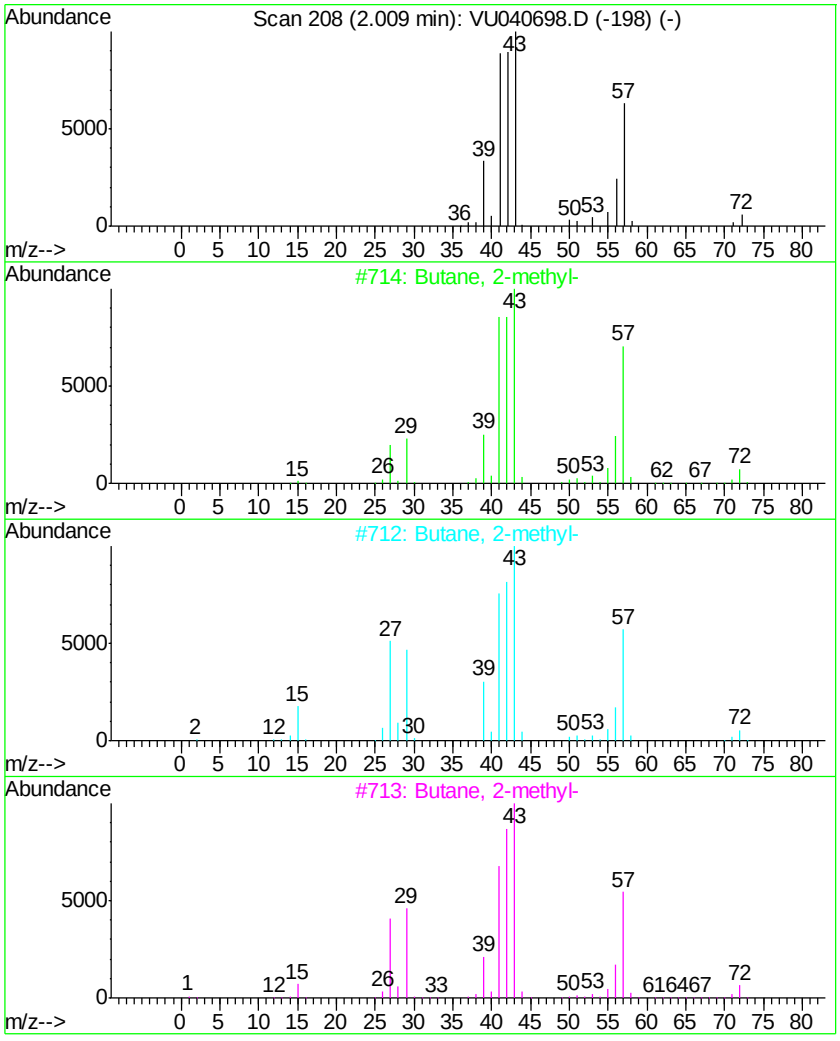
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

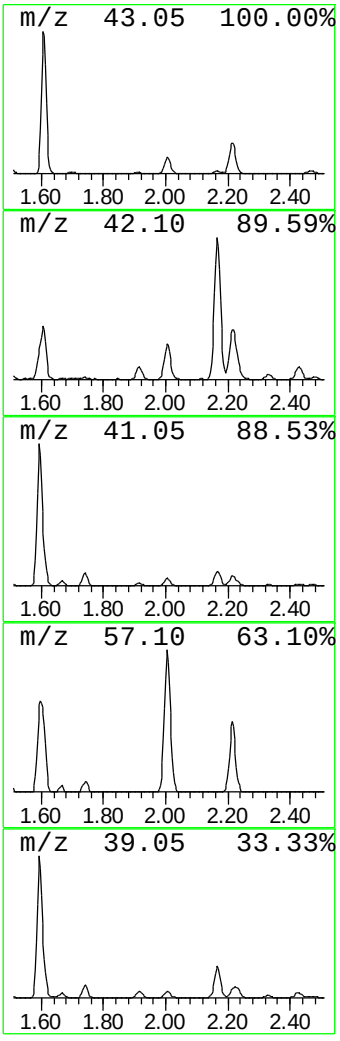
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	0.79 ug/L	55827	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	38
5	Pentane	72	C5H12	000109-66-0	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

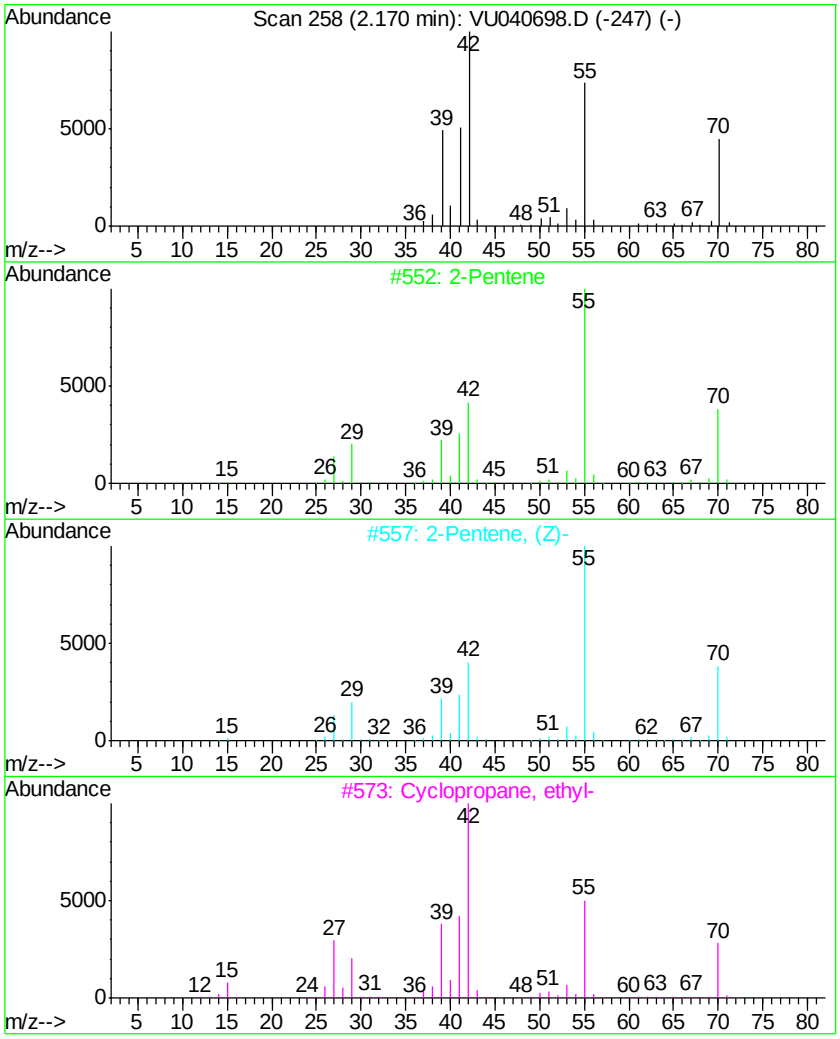
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

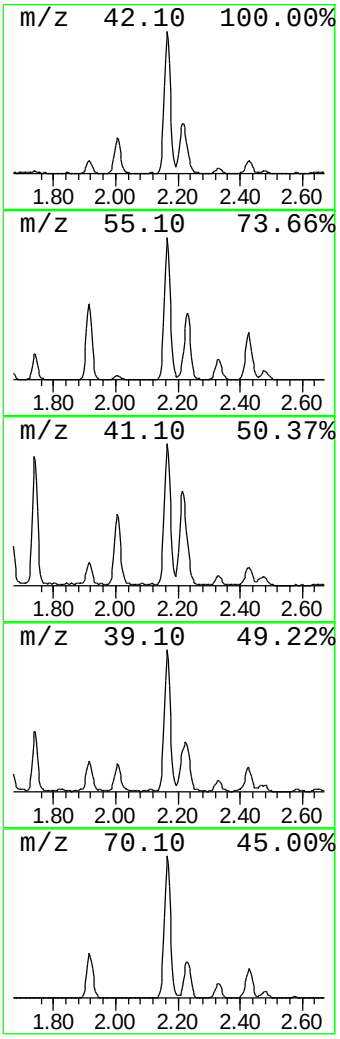
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	2.43 ug/L	171093	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene	70	C5H10	000109-68-2	74
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	74
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	70
4	1-Pentene	70	C5H10	000109-67-1	70
5	1-Pentene	70	C5H10	000109-67-1	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

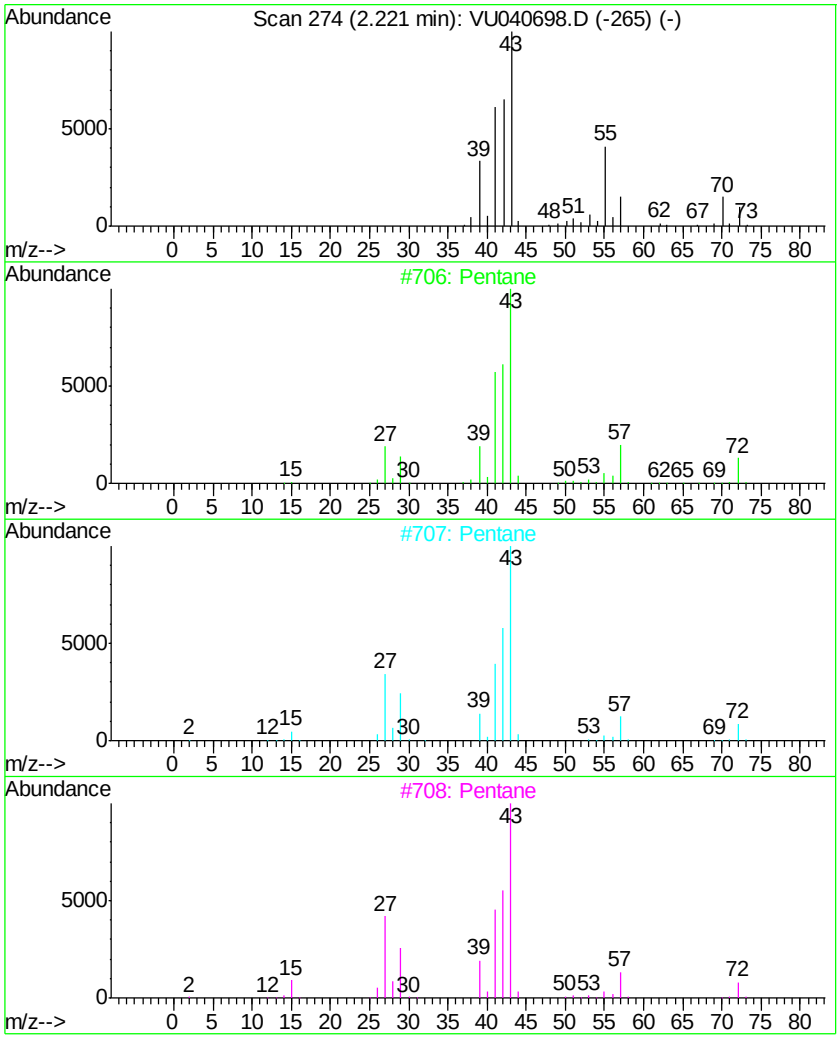
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

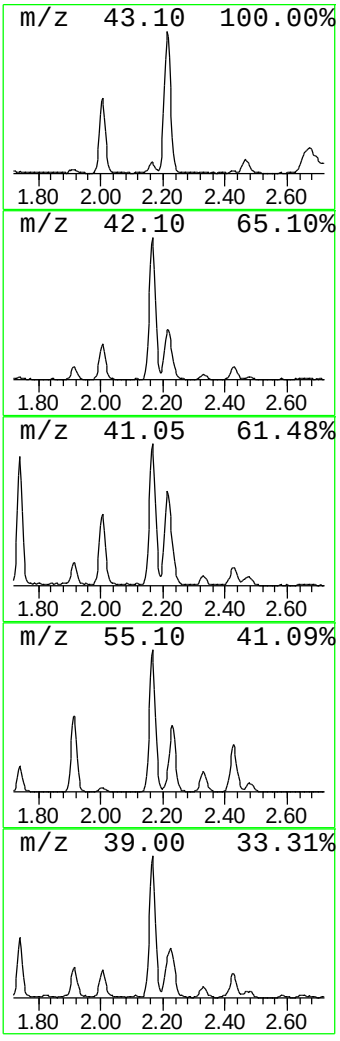
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	1.73 ug/L	121944	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	72
3	Pentane	72	C5H12	000109-66-0	59
4	Pentane	72	C5H12	000109-66-0	53
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

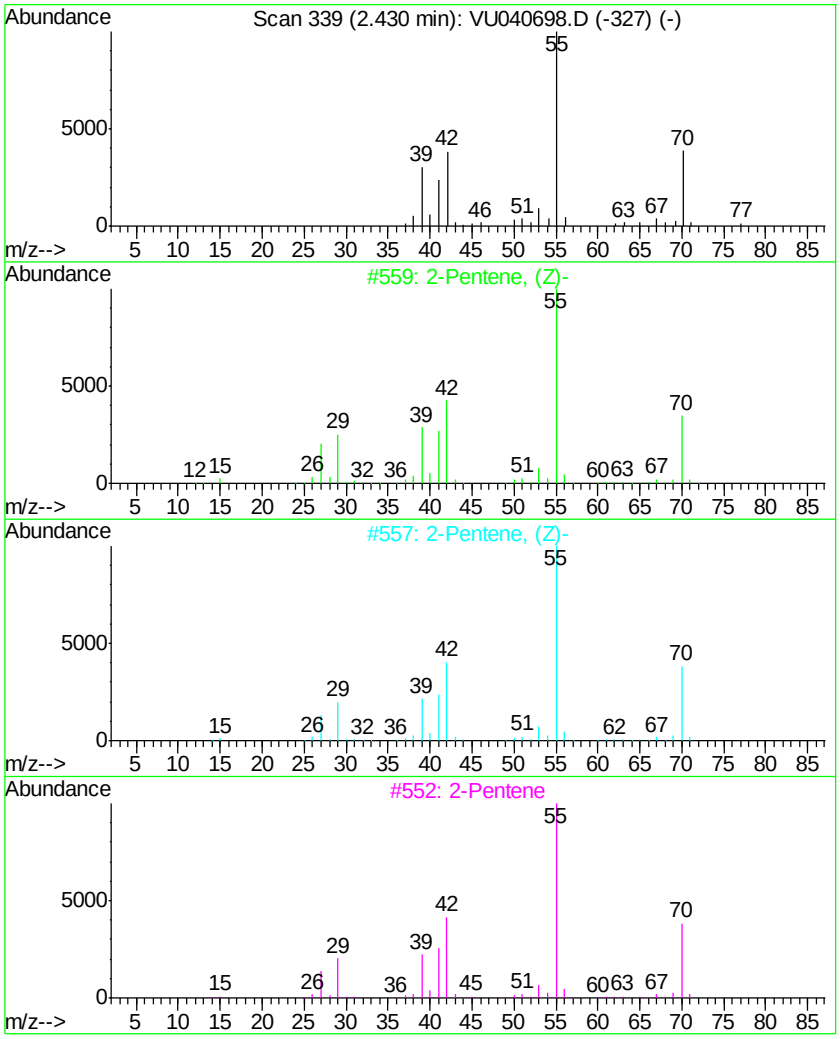
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

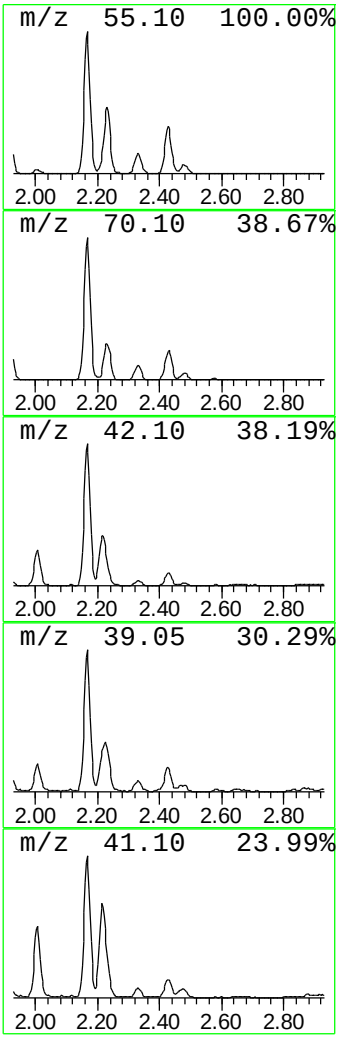
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	0.53 ug/L	37222	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
3	2-Pentene	70	C5H10	000109-68-2	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

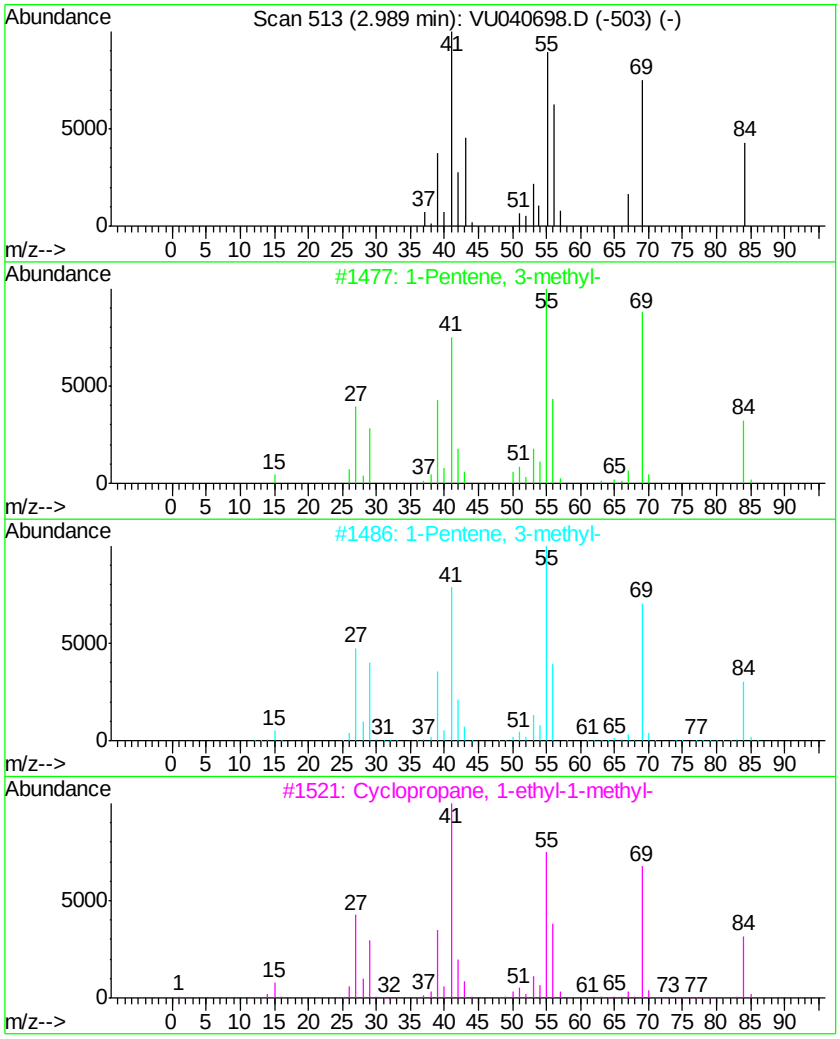
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

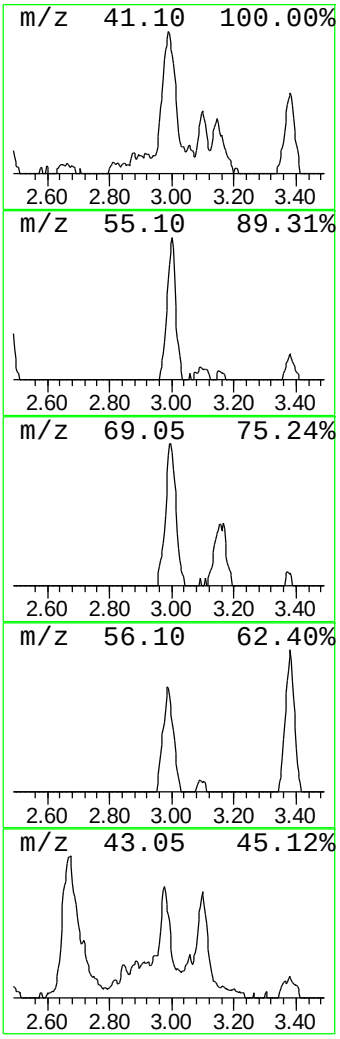
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	0.58 ug/L	40784	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	90
2	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	86
3	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	80
4	Pentane, 3-methylene-	84	C6H12	000760-21-4	72
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

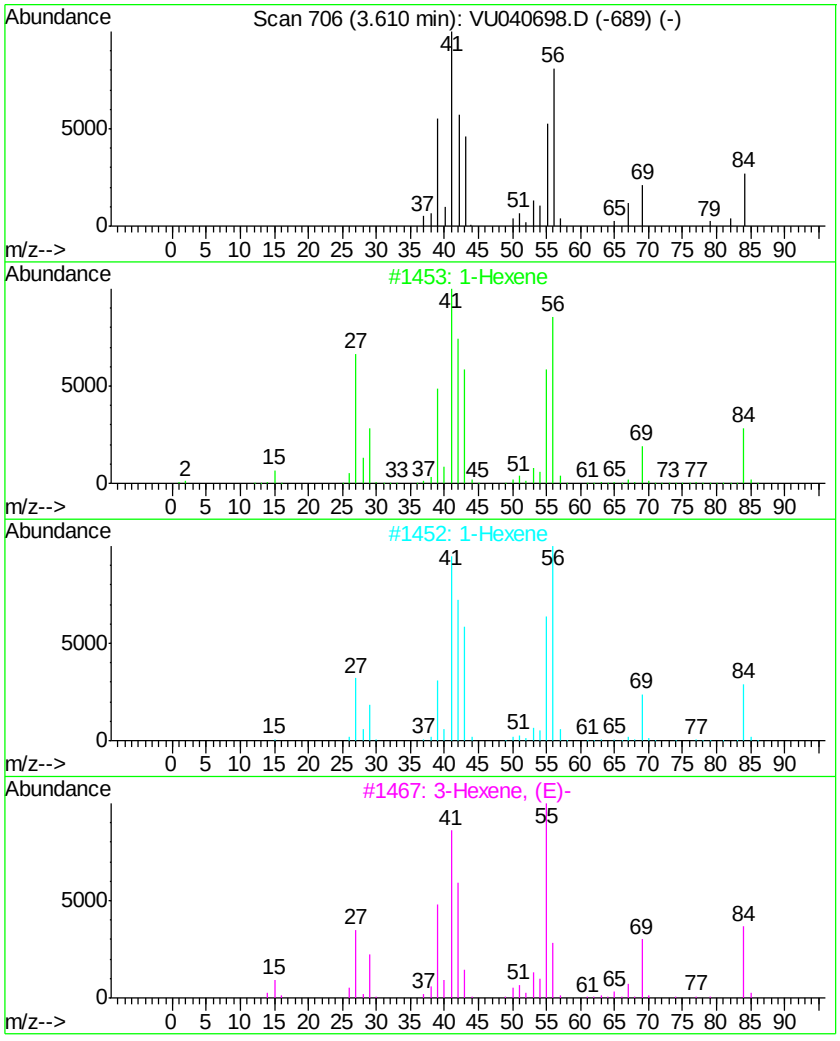
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

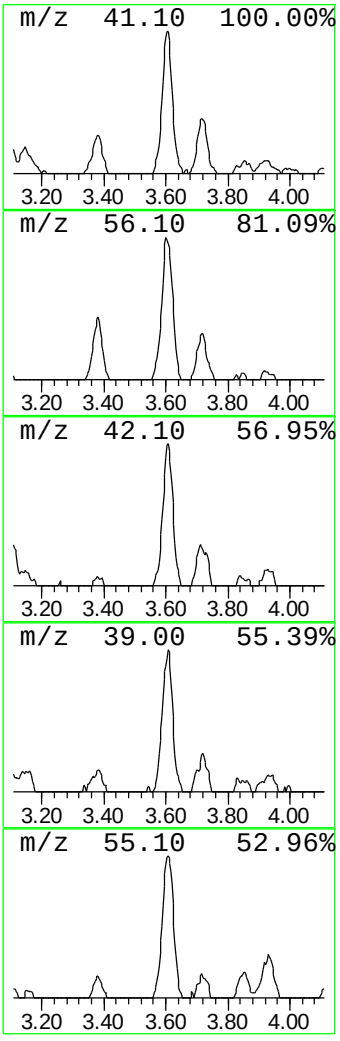
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	0.98 ug/L	69406	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	90
2	1-Hexene	84	C6H12	000592-41-6	58
3	3-Hexene, (E)-	84	C6H12	013269-52-8	50
4	1-Butene	56	C4H8	000106-98-9	50
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101420\
Data File : VU040698.D
Acq On : 14 Oct 2020 15:00
Operator : SY/MD
Sample : L4401-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSC4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.37	17.3	ug/L	1220410	1	6.26	352490	5.0
(DEL) Alkane: Str...	1.74	0.8	ug/L	52837	1	6.26	352490	5.0
(DEL) Alkane: Str...	2.01	0.8	ug/L	55827	1	6.26	352490	5.0
(DEL) Alkane: Str...	2.17	2.4	ug/L	171093	1	6.26	352490	5.0
(DEL) Alkane: Str...	2.22	1.7	ug/L	121944	1	6.26	352490	5.0
(DEL) Alkane: Str...	2.43	0.5	ug/L	37222	1	6.26	352490	5.0
(DEL) Alkane: Str...	2.99	0.6	ug/L	40784	1	6.26	352490	5.0
(DEL) Alkane: Str...	3.61	1.0	ug/L	69406	1	6.26	352490	5.0